

Recruitment for Researchers in the College of Information and Biotechnology(2022-1st)

I Recruitment of researchers

Recruitment Area (Code No.)	Expected number of people	Details
UNIST Vision and Learning Lab (A-12-02)	1	<p>[Main task]</p> <ul style="list-style-type: none"> - Research on Computer Vision, Machine Learning <p>[Eligibility]</p> <ul style="list-style-type: none"> - Those who have graduated from the doctorate program (those who can graduate from the doctorate program before the first day of work) <p>[Preferential]</p> <ul style="list-style-type: none"> - Related work experience - Special treatment for foreign language (English) fluent - One or more papers from CVPR/ICCV/ECCV, NeurIPS/ICML/ICLR <p>[Contract]</p> <ul style="list-style-type: none"> - Contract period: 2022.3. – 2023.1. (11 months) * Researchers are contracted for up to one year and can be re-signed through evaluation. - Working hours: 5 days a week (Mon-Fri), 8 hours a day (9:00-18:00) - Salary: (before tax) 4,400,000 won per month
Nanostructured Photonic Devices Laboratory (E-07-01)	1	<p>[Main task]</p> <ul style="list-style-type: none"> - Design of THz metamaterials and metasurfaces - Development of THz metamaterials and metasurfaces <p>[Eligibility]</p> <ul style="list-style-type: none"> - Ph.D. in electrical engineering, optical engineering, physics, or a related field <p>[Preferential]</p> <ul style="list-style-type: none"> - Related research experience in THz antenna or metamaterial structures - Related research experience in experiment on electronic and optical devices <p>[Contract]</p> <ul style="list-style-type: none"> - Contract period: 2022.3 – 2023.2. (12 months) * Researchers are contracted for up to one year and can be re-signed through evaluation. - Working hours: 5 days a week (Mon-Fri), 8 hours a day (9:00-18:00) - Salary: (before tax) 3.5~4.5 million won per month
THz Vacuum Electronics and Electromagnetics Lab (E-0101)	1	<p>[Main task]</p> <ul style="list-style-type: none"> - Design/Analysis/Experiment of high power RF devices for magnetized fusion reactor - ECH/ECCD launcher design - Writing research papers <p>[Eligibility]</p> <ul style="list-style-type: none"> - Doctoral degree (expected to receive Ph.D before the date of

- Those who are eligible for work protection are given additional points according to related laws.
- You must be able to work immediately after appointment.
 - * It is possible to negotiate the first working day and appointment period depending on circumstances such as preventing the spread of COVID-19 and living abroad.

IV How to apply & Procedures

- Recruitment notice and documents submission period: 2022.1.4.~ 2022.1.20. 24:00 (16 days)
- How to submit an application
 - Recruiter E-mail: Please send documents by email. (k01291@unist.ac.kr)
 - Documents to be submitted: Application form, Cover letter, job and research performance record, personal information third party
/ 1 copy of each written offer agreement (see attached form)
 - ※ If it is deemed necessary to perform research duties, major and Evidence data such as credits can be requested separately (used as reference data)

※ How to apply

- The submitted documents are converted into PDF files (after scanning) and sent by e-mail.
- Subject: “(Code No. of Recruitment Area)Application for UNIST Researcher: Your name”
- Note: Applications should be received by 24:00 on the due date

- When filling out the application form, the relevant documents must be prepared in advance. Successful applicants will be canceled due to erroneous input. All responsibility for harm lies with the applicant.
- According to blind employment, there is no entry of photograph, school name, credit, family relationship, family name, date of birth, and physical condition.
- The following contents and conditions are also prohibited from the application: Name of school, family relationship, date of birth, person, and body
- Procedure: Document Screening, Interview
 - Document review: Establish and evaluate the document evaluation quantitative evaluation criteria and select 3 times the number of expected employees.
 - Interview
 - * Regarding the place where the interviewee resides and the prevention of COVID-19, it may be a untact interview.
 - If there are no qualified candidates for each screening process, the candidates may be reduced or not selected.
 - According to laws and policies, there are additional points for national merit, their families, and people with impairments.
 - If there is no qualified person, applicants may not be selected.
- Final appointment
 - If there are no special matters after conducting an identity check and hiring examination for public officials, hiring candidates will be finally hired.
 - The appointment can be canceled if false facts are found in the documents submitted after

the final appointment has been confirmed and appointed, or if the reason for disqualification under Article 33 of the National Civil Service Act is found.

- If an unsuccessful candidate wishes to retrieve one's application document, request can be made within 2 weeks of announcement.

V Recruitment Schedule

- Schedule (*The schedule may change.)
 - Application Submission: 2022.1.4.~ 2022.1.20. 24:00 (16 days)
 - Announcement of successful applicants: 2022.1.28.
 - Announcement of Candidates for Job offers: 2022.2.10
 - Appointment scheduled for: 2022.3.~

VI Contact

- Ulsan Institute of Science and Technology (UNIST)
College of Information-Bio Convergence Engineering/ Academic & Students Affairs Team
- Tel: (052) 217-1844, k01291@unist.ac.kr
- Address: 50, UNIST-gil, Ulsan 44919, Republic of Korea

Job description (A-12-02)

Work	Laboratory researcher
Main task	<input type="radio"/> Research on Computer Vision, Machine Learning - 3D pose estimation of face/body/hands, 3D reconstruction of single RGB, motion recognition, deep learning, generational hostile network, graph convolution network, data augmentation, active learning, etc.
Necessary knowledge	<input type="radio"/> Expertise in machine learning, computer vision, and software
Necessary technology	<input type="radio"/> Skills for artificial intelligence, machine learning, computer vision, and software <input type="radio"/> Problem solving skills <input type="radio"/> Ability to establish logical thinking, research plans, and report results <input type="radio"/> Ability for laboratory safety
Job attitude	<input type="radio"/> Active Collaboration and Attitude to Solve Problems <input type="radio"/> Responsibility and awareness of laboratory safety <input type="radio"/> Understand the school culture and actively adapt to school
Basic ability	<input type="radio"/> Communication ability, mathematical ability, problem solving ability, resource management ability, etc.
Required qualification	<input type="radio"/> Those who have graduated from the doctorate program (those who can graduate from the doctorate program before the first day of work)
Other job-related qualifications	<input type="radio"/> Related work experience <input type="radio"/> Special treatment for foreign language (English) fluent

Job description (E-07-01)

Work	Laboratory researcher
Main task	<input type="radio"/> Design of THz metamaterials and metasurfaces <input type="radio"/> Development of THz metamaterials and metasurfaces
Necessary knowledge	<input type="radio"/> Knowledge in THz metamaterials and metasurfaces <input type="radio"/> Knowledge in THz measurement techniques
Necessary technology	<input type="radio"/> Experimental technology on THz devices <input type="radio"/> Operational and management capabilities for experimental equipment <input type="radio"/> Ability to express oneself and to write document
Job attitude	<input type="radio"/> Active problem solving attitude <input type="radio"/> Responsibility and thorough safety awareness
Basic ability	<input type="radio"/> Communication skills, calculation skills, problem-solving skills, interpersonal skills, etc.
Required qualification	<input type="radio"/> Ph.D. in electrical engineering, optical engineering, physics, or related research field
Other job-related qualifications	<input type="radio"/> A fluent speaker of English

Job description (E-0101)

Work	Laboratory researcher
Main task	<input type="radio"/> Design of vacuum tubes <input type="radio"/> RF waveguides and antenna design <input type="radio"/> Experiment of RF components and antennas
Necessary knowledge	<input type="radio"/> basic knowledge of RF engineering <input type="radio"/> understanding vacuum devices, high power RF sources <input type="radio"/> Ability to simulate various RF tools such as CST, HFSS, etc
Necessary technology	<input type="radio"/> Electrical engineering, physics, nuclear engineering <input type="radio"/> Vacuum tube design and high power RF experiments <input type="radio"/> Ability to express oneself and to write document <input type="radio"/> Adequate judgment ability on safety and efficiency
Job attitude	<input type="radio"/> Active problem solving attitude <input type="radio"/> Responsibility and thorough safety awareness <input type="radio"/> The ability to understand the organization culture and the attitude to adapt to it
Basic ability	<input type="radio"/> Communication skills, calculation skills, problem-solving skills, interpersonal skills, etc.
Required qualification	<input type="radio"/> Doctoral degree (expected to receive Ph.D before the date of contract) – Electrical engineering, physics or nuclear engineering
Other job-related qualifications	<input type="radio"/> A fluent speaker of English